

## JORDAN VARBLE, P.E.

### Water Resources



jvarble@johnsoneng.com  
239.461.2431

### Years Experience

10 years

### Education/Training

M.S. Civil Engineering  
Colorado State University  
(2011)

B.S. Civil Engineering  
Magna Cum Laude  
Missouri S&T  
(2009)

Working Proficiency in Spanish

ArcGIS, AutoCAD, HEC-RAS  
ICPR, BMPTrains, and MS Office

### Licensing & Registration

Professional Engineer, FL

**Civic**  
Volunteer at  
Harry Chapin Food Bank

Citizen Scientist for  
CoCoRaHS Rain Network

Returned U.S. Peace Corps  
Volunteer

Jordan joined Johnson Engineering in 2015 and is a Professional Engineer in the company's Water Resources group. Jordan earned his Master of Science in Civil Engineering from Colorado State University in 2011 and Bachelor of Science in Civil Engineering from Missouri S&T in 2009. Jordan's experience as an engineer includes regional watershed modeling, groundwater modeling, data analysis, hydraulic pipe modeling, observation and analysis of geophysical logging programs, construction inspection, well design, groundwater testing and analysis, water demand calculations, regulatory permitting, surface water design, technical report writing, land surveying, agricultural irrigation system evaluation, engineering due diligence and expert witness engineering reports.

### Relevant Experience

- **South Lee County Flood Mitigation Project** - Member of the Phase II response team following Hurricane Irma in 2017 that identified short-term relief opportunities in major and secondary waterways in south Fort Myers. Coauthor of Phase III study identifying projects to mitigate flood impacts on a long-term regional scale.
- **Surface Water Design** – Designed stormwater pipe networks for institutional, residential and commercial developments, including Mosaic at The Forum, Lee Health Regional Cancer Center, FPL substations, Shell Point, FGCU, Magnolia Landing and LeeSar Regional Service Center.
- **Environmental Resource Permitting (ERP) / Surface Water Management** – Obtained required regulatory permitting through SFWMD and FDEP for institutional, residential and commercial developments. Work included applications for major and minor ERP modifications through the preparation of stormwater management plans, ICPR & HEC-RAS models, and coordination with District staff. Clients include: FGCU, FSW, Cypress Lake Country Club, PRMRWSA, The Forum, Collier County, Lee Health, Shell Point, West Bay Club, Hendry County, The Brooks Club, FPL, Florida State Parks, Lee County (Utilities, Parks & Rec, Facilities, Port Authority), Verandah, Habitat for Humanity, Magnolia Landing and Bridgetown.
- **City of Fort Myers Eastwood Wellfield Expansion** - Field engineer for construction of two public water supply (PWS) wells at the Eastwood wellfield in Fort Myers, Florida. Project included testing and construction of two Upper Floridan PWS wells completed to 700 feet and installation of a 4,000-ft raw water pipeline. Other responsibilities included coordinating with clients and contractors regarding construction activities and testing.
- **Lee County Utilities Green Meadows Injection Well and Wellfield Expansion** – Field engineer for construction and testing of a Class I Industrial deep injection well (DIW), associated monitor well system, and PWS wells in Lee County, Florida. Project included testing and construction of a lower Floridan aquifer DIW well completed to a depth of 3,300 feet, a dual-zone monitor well system completed to 1,800 feet and several upper Floridan PWS wells completed to depths up to 1,200 feet. Prepared the final completion report for the DIW project.
- **Mechanical Integrity Testing (MIT) of UIC Class I Injection Wells** – Oversaw testing activities for injection wells located at the North Lee County WTP, Green Meadows WTP, and Zemel Road Landfill. Other activities included the preparation of an MIT plan for FDEP approval and the submittal of a final MIT report.
- **Public Water Supply Design & Permitting** – Designed and permitted public water supply system components and wells multiple clients, including: City of Fort Myers, Florida Fish & Wildlife Conservation Commission, Florida Power & Light (FPL), Family Dollar, Van Roekel Veterinary Clinic, and Dollar General. Prepared preliminary design reports, plans, specifications and drawings in support of permit applications through the Department of Health.
- **Underground Utilities** – Due diligence report and permitting for a 9.5-mile Airglades Airport to Clewiston WWTP force main. Prepared a utility capacity analysis for 3.5 miles of existing gravity sewer pipes in the Gardner's Park Neighborhood in Fort Myers.
- **Potential Water Retention Model (SFWMD)** – Used the District's PWRM to evaluate the annual water storage potential for Payson Ranch in Charlotte County.
- **Village Public Water Supply, Republic of Panama, U.S. Peace Corps** – Field engineer for the rehabilitation of a public water supply system for a rural village in Panama. Prepared a preliminary design report, hydraulic modeling, and drawings in support of grant solicitation. Performed onsite construction observation services and coordination of materials and labor. Lived and worked for two years in rudimentary living conditions, experiencing extreme temperatures and long, arduous travel.